

IN THE CLAIMS:

Please re-write the claims to read as follows:

- 1 1. (Original): A method for detecting leaked buffer writes between a first consistency
2 point and a second consistency point, the method comprising:
3 receiving a write operation directed to a file;
4 creating a data buffer associated with the write operation; and
5 writing a buffer check control structure to a raw data buffer associated with the
6 data buffer.
- 1 2. (Previously Presented): The method of claim 1 wherein the step of creating the data
2 buffer further comprises the step of creating a the buffer check control structure and a the
3 raw data buffer.
- 1 3. (Previously Presented): The method of claim 2 wherein the buffer check control
2 structure comprises a pointer to the raw data buffer.
- 1 4. (Original): The method of claim 1 wherein the step of writing the buffer check control
2 structure to the raw data buffer further comprises the steps of:
3 creating the buffer check control structure; and
4 overwriting a portion of the raw data buffer with the buffer check control struc-
5 ture.
- 1 5. (Original): The method of claim 1 wherein the step of writing the buffer check control
2 structure to the raw data buffer further comprises the steps of:
3 creating the buffer check control structure; and
4 associating the buffer check control structure to the raw data buffer in a contigu-
5 ous block of memory.

- 1 6. (Original): The method of claim 4 wherein the buffer check control structure com-
2 prises:
3 one or more magic numbers; and
4 a consistency point number.
- 1 7. (Original): The method of claim 6 wherein the one or more magic number comprises
2 a 64-bit value.
- 1 8. (Original): The method of claim 6 wherein one or more magic number values com-
2 prises two 32-bit values.
- 1 9. (Original): The method of claim 6 wherein the consistency point number identifies a
2 current consistency point.
- 1 10. (Original): The method of claim 6 wherein the consistency point number comprises
2 a 32-bit value.
- 1 11. (Previously Presented): A method for detecting leaked buffer writes between a first
2 consistency point and a second consistency point, the method comprising steps of:
3 selecting a data buffer;
4 determining if the selected data buffer includes a buffer check control structure;
5 determining, in response to the selected data buffer including a buffer check con-
6 trol structure, if a consistency point number within the buffer check control structure is
7 correct; and
8 performing, in response to determining that the consistency point number within
9 the buffer check control structure is correct, a write operation of a file system buffer.

- 1 12. (Original): The method of claim 11 wherein the step of determining if the data
2 buffer comprises a buffer check control structure further comprises a step of determining
3 if one or more magic values are within the data buffer.
- 1 13. (Original): The method of claim 12 wherein one or more magic values comprise a
2 64-bit magic number.
- 1 14. (Original): The method of claim 12 wherein one or more magic values further com-
2 prises two 32-bit magic numbers.
- 1 15. (Original): The method of claim 11 wherein the step of determining if the consis-
2 tency point number is correct further comprises the step of determining if the consistency
3 point number within the buffer check control structure equals a consistency point number
4 identifying a current consistency point.
- 1 16. (Original): The method of claim 11 wherein the step of performing a write operation
2 further comprises a step of writing a set of raw data within the data buffer to disk.
- 1 17. (Original): The method of claim 16 wherein the raw data comprises the buffer check
2 control structure.
- 1 18. (Previously Presented): The method of claim 16 wherein the step of performing the
2 write operation further comprises a step of removing the buffer check control structure
3 from the raw data before writing the file system buffer to disk.
- 1 19. (Original): The method of claim 16 wherein the step of performing the write opera-
2 tion comprises the step of writing only the raw data within the file system buffer to disk.

1 20. (Previously Presented): A system for detecting leaked buffer writes between a first
2 consistency point and a second consistency point, the system comprising:
3 means for receiving write operations;
4 means for creating a data buffer associated with the write operations; and
5 means for writing a buffer check control structure to a raw data buffer associated
6 with the data buffer.

1 21. (Previously Presented): A computer readable media, comprising:
2 the computer readable media containing instructions for execution on a processor
3 for the practice of a method of detecting leaked buffer writes between a first consistency
4 point and a second consistency point, the method having the steps of,
5 receiving a write operation directed to a file;
6 creating a data buffer associated with the write operation; and
7 writing a buffer check control structure to a raw data buffer associated with the
8 data buffer.

1 22. (Previously Presented): An apparatus configured to detect leaked buffer writes be-
2 tween a first consistency point and a second consistency point, the apparatus comprising:
3 a storage system to receive write operations;
4 a data buffer created to associate with the write operations; and
5 a buffer check control structure to write to a raw data buffer associated with the
6 data buffer.

1 23. (Previously Presented): The apparatus of claim 22 wherein the data buffer created to
2 associate with the write operations comprises the buffer check control structure and the
3 raw data buffer.

1 24. (Previously Presented): The apparatus of claim 23 wherein the buffer check control
2 structure comprises a pointer to the raw data buffer.

1 25. (Previously Presented): The apparatus of claim 22 wherein the buffer check control
2 structure to write to a raw data buffer associated with the data buffer further comprises
3 the buffer check control structure to overwrite a portion of the raw data buffer.

1 26. (Previously Presented): The apparatus of claim 22 wherein the buffer check control
2 structure to write to the raw data buffer further comprises the buffer check control struc-
3 ture to associate with the raw data buffer in a contiguous block of memory.

1 27. (Previously Presented): The apparatus of claim 26 wherein the buffer check control
2 structure comprises:

3 one or more magic numbers; and
4 a consistency point number.

1 28. (Previously Presented): The apparatus of claim 27 wherein the one or more magic
2 number comprises a 64-bit value.

1 29. (Previously Presented): The apparatus of claim 27 wherein one or more magic num-
2 ber values comprises two 32-bit values.

1 30. (Previously Presented): The apparatus of claim 27 wherein the consistency point
2 number is configured to identify a current consistency point.

3 31. (Previously Presented): The system of claim 27 wherein the consistency point num-
4 ber comprises a 32-bit value.